

CURRICULUM VITAE



A. **PERSONAL DETAILS**

1. Name : Ts. Dr. Jurina Jaafar
2. Date of Birth : 11-06-1976
3. Sex : Female
4. Office Address : Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia
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<http://tiny.cc/jp9r3y>



<http://prisma.uitm.edu.my/prisma/?doit=pubRec>

B. **BRIEF PERSONAL HISTORY**

Jurina Jaafar obtained her diploma and Bachelor's degree in Civil Engineering from Universiti Teknologi MARA (UiTM), Malaysia in 1999 and 2000 respectively. In 2003, she received a Master's degree in Water Resources Engineering and Management from Stuttgart University, Germany. Subsequently, she obtained a PhD in Civil Engineering (Hydrodynamic and Hydrology Engineering) from Universiti Teknologi MARA (UiTM), Malaysia. She has been serving UiTM since January 2003 as a senior lecturer at the Faculty of Civil Engineering. Her research interest includes hydrodynamic and hydrological modeling, water resources engineering and environmental engineering .

C. ACADEMIC QUALIFICATION

No.	Name of Institution	Degree/Qualification	Date awarded
1.	Universiti Teknologi MARA, Malaysia	PhD in Civil Engineering (Hydrodynamic and Hydrology Engineering)	2015
2.	University Stuttgart, Germany	MSc in Water Resources Engineering and Management	2002
3.	Universiti Teknologi MARA, Malaysia	Bachelor of Engineering (Hons.) Civil	2000
4.	Universiti Teknologi MARA, Malaysia	Diploma in Civil Engineering	1999

D. WORKING EXPERIENCE

1.	2017-Present	Head of Academic Curriculum (Social Science Clusters and Clusters of Business Management), Curriculum Affairs Unit, Academic Affairs Division.
2.	2003-Present	Senior lecturer, Faculty of Civil Engineering in Universiti Teknologi MARA (UiTM) - Teaching hydrology, water resources engineering and supervising final year project students
3.	2009	Attachment with Wallingford Software Asia Sdn Bhd
4.	1998	Trainee – SIRIM BERHAD, Malaysia

E. PROFESSIONAL QUALIFICATIONS

1. Professional Technologist, Malaysia Board of Technologists (MBOT) - Since 2018
2. Graduate Engineer, Board of Engineers Malaysia (BEM) - Since 2000
3. Graduate Member, The Institution of Engineers Malaysia (IEM) - Since 2000

F. AREA OF RESEARCH

Hydrodynamic and Hydrological Engineering , Environmental Engineering

G. PHD THESIS

Grid Based Remotely Sensed Hydrodynamic Surface Runoff Model using Emissivity (2015)

H. RESEARCH GRANTS

Geran Penyelidikan Research Entity Initiative

1. Research Grant on Research Entity Initiative.
2. Research On Knowledge Transfer Programme .
3. Research on Sitting with IWK

I. PUBLICATION

Baki, A., Abu Bakar, A.A., Jaafar, J.,Atan, I. and Mohd Tajuddin, R. (2009) , Self-Purification Capacity of Rivers Receiving Shah Alam STP Effluent. ISSN: 1675-2392, Issue No.20, Asian Water Magazines/Syed Hussein Publications Sdn. Bhd., pp.11-13.

Mohd Tajuddin, R., Ashaari,Y.,Baki, A., Jaafar, J., Atan, I., and Endut, I.R (2009), Contour of Oxygen Distribution in Oxidation Ponds Aerated with Paddle Aerator, ISSN: 1675-2392, Issue No.18,Asian Water Magazines/Syed Hussein Publications Sdn. Bhd., pp.36-40.

Abu Bakar. A.A, Jaafar, J,Mohd Tajuddin, R.,Baki, A. and Atan, I. (2009), Preliminary Study on the Use of Natural Polymers (Moringa Oleifera) to enhance Sedimentation Process. ISSN: 1675-2392, Issue No.17,Asian Water Magazines/Syed Hussein Publications Sdn. Bhd., pp.27-30.

Jaafar, J.and Baki, A., (2009), Study On the Availability for 1D,2D and 3D Hydrodynamic Models. Proceedings of the 11th IEM Water Resources Colloquium 2009.

Baki, A., Abu Bakar, A.A., Jaafar, J., Atan, I., Ashaari,Y., Endut, I.R and Mohd Tajuddin, R. and (2009), Waste-To-Resource In Water & Wastewater Industry Revisited, Water Malaysia 2009: International Conference on Industry Best Practise, 19 -21 May 2009, Putra World Trade Centre.Kuala Lumpur.

Ramli,S, Ayub.M.A, Abdul Talib.S, Atan, I., Mohd Tajuddin, R., Baki, A. and Jaafar, J. (2009), Renewable Energy from Biogas Generated by Sewage Sludge - relationship between Sludge Volume and Power Generated, Conference of Scientific & Social Research (CSSR 08&09), 14-15 March 2009, A famosa Resort , Melaka.

Ramli,S, Ayub.M.A, Abdul Talib.S, Atan, I., Mohd Tajuddin, R., Baki, A. and Jaafar, J. (2009). Renewable Energy from Biogas Generated by Sewage Sludge - relationship between Sludge Volume and Power Generated. 14-15 March 2009, A famosa Resort , Melaka.

Tahir.W.,Ibrahim.Z.,Ramli.S.,Jaafar.J. and Ariffin.J. (2009), Rain – Watch, 3 - 7 Dicember 2009, Korea Invention Promotion Association in Seoul , Korea.

Baki, A., Ahmad, Y., Md Nen, Z., Abu Bakar, M.F., Atan, I., Mohd Tajuddin, R. and Jaafar, J. (2008), Public Perception on Siting of Sewerage Systems,1st Technical Seminar on Sewerage Management.

Ramlah Mohd Tajuddin, Fauzi Ismail, Mohd Razman Salim, Jurina Jaafar and Aminuddin Baki (2008), Development of Hollow Fibre Ultrafiltration Membrane for Nitrogen Removal, ISSN: 1675-2392, Issue No.14, January 2008, Asian Water Magazines/Syed Hussein Publications Sdn. Bhd., pp.26-29.

Wahid, M.A., Bakar, A.A.A., Kamaruddin, F., Adam, T.A., Syed Zin, S.F., Hassan, N.I., Wan Jusoh, W.A., Mohd Tajuddin, R., Jaafar, J. and Baki, A. (2008), Reuse of Water Treatment Residue/Sludge as A Pottery Product, ISSN: 1675-2392, Issue No.16, June/July 2008, Asian Water Magazines/Syed Hussein Publications Sdn. Bhd., pp.20-22.

Zainal Abidin, T.I., Baki, A., Jaafar, J., Atan, I., Ab.Wahid, M., Ramli, S., Mohd Zaki, Z. and Mohd Tajuddin, R. (2008), Rainfall-Runoff Modelling By Using The SFB Model: Application In Malaysia, Proceedings of ASIAWATER 2008 Conference on Water and Wastewater.

Badron, F., Atan, I., Mohd Tajuddin, R., Ashaari, Y., Jaafar, J., Mohd Zaki, Z. and Baki, A. (2008), An Analysis On Stochastic Rainfall Data Generation Using Transition Probability Matrices With Shifted Exponential Distribution, Proceedings of the International Conference on Civil Engineering (ICCE08).

Tan, K.Y., Sasidharan, V., Abu Bakar, M.F., Ahmad, Y., Md Nen, Z., Atan, I., Mohd Tajuddin, R., Jaafar, J. and Baki, A. (2008), Survey on Siting of Sewerage Systems. Proceedings of the 2nd. International Seminar on Civil and Infrastructure Engineering 2008 (ISCIE'08).

Siti Sarah Mohamad Nor, Jurina Jaafar, Ismail Atan, Ramlah Mohd Tajuddin and Aminuddin Baki (2008), Rainfall Data Generation Using Lag-One Markov Chain Model: Comparison of Random Number Distribution, Proceedings of the 10th IEM Water Resources Colloquium 2008.

Jurina Jaafar, Zul Azri Hashim, Ramlah Mohd Tajuddin, Ismail Atan, Yasmin Ashaari and Aminuddin Baki (2008), Rainfall-Runoff Modelling using the SFB Model with parameters estimated based on physical inference - case of a Malaysian Catchment, Proceedings of the 26th Conference of ASEAN Federation of Engineering Organisations (CAFEO26).

Baki A., Saidin E., Atan I., Jaafar J., Mohd Tajuddin R., Ashaari Y., Abd Karim N.A., Abdullah N.H., Jamaluddin, A. and Abdul Ghani, H. (2008), Solid Waste Generation Rate: A Case Study of Residential Premises in Shah Alam, Malaysia, Proceedings of the 26th Conference of ASEAN Federation of Engineering Organisations (CAFEO26)

Abdullah, N.A., Ramli, S., Ayub, M.A., Abdul Talib, S., Mohd Tajuddin, R., Atan, I., Jaafar, J. and Baki, A. (2008), Renewable Energy from Biogas Generated by Sewage Sludge - relationship between Sludge Volume and Power Generated, International Conference and Expo on Environmental Management and Technologies (ICEEMAT'08).

F.S. Nazeron, J. Jaafar, I. Atan, R. Mohd Tajuddin, A. Baki and M. Negin (2008), Rainfall Runoff Modelling using Mount's Soil Dryness Index (SDI) Model, 2nd Engineering Conference, "Sustainable Engineering Infrastructure Development and Management" (ENCON2008).

Wardah, T. , Zaidah, I. and Suzana, R. Geostationary Meteorological Satellite-Based Quantitative Rainfall Estimation(GMS-Rain) for Hydro-Meteorological Flood Forecasting . In Proceedings of International Conference on Water Resources (ICWR 2009) , UTM